

**INTERNAL ANTENNA AND FLAT PANEL SPEAKER ASSEMBLIES AND  
MOBILE TERMINALS INCLUDING THE SAME**

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**ABSTRACT OF THE DISCLOSURE**

Antenna subassemblies and wireless terminals are provided. The antenna subassembly includes a planar antenna and a flat-panel speaker that can be integrated with the planar antenna. The wireless terminal includes a flat-panel speaker and a planar antenna, integrated or not, positioned adjacent one another on the same side of an electronic circuit in a housing.

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